



## **PRODUCT DESCRIPTION**

BUOY-TRAK AIS Fishing Buoy Tracking Transponder enables you to electronically mark any type of temporary buoy installation (hotworks, accident, fishing, etc.).

BUOY-TRAK uses internationally certified AIS technology to continuously transmit its exact GPS location to your existing navigation display as well as warn off other shipping in the area – or if you enable encryption, just you.

Easy and quick to clip to any buoy type and completely waterproof (IPx8 certified), BUOY-TRAK has an internal rechargeable battery that allows it to operate continuously for over 240 hours between charges .

BUOY-TRAK is a certified AIS AtoN transceiver which is especially certified and legal for use on buoys. Its tough high quality construction makes it ideal for long term continuous use in even the harshest conditions.

Convenient, easy to use, low cost, certified and with a range of accessories to make things even easier, BUOY-TRAK will enable you to reliably locate and protect your buoys using your existing AIS and navigation displays in all weathers all year round.

## **ACCESSORIES (EXTRA)**



*Charger and configuration dock*



*Fixing bracket*

## **FEATURES**

- Internationally certified AIS AtoN Type 1 – FCC/EU/CE
- Integrated and protected GPS & VHF antennas
- Internal rechargeable battery with quick charging holster dock
- Ultra low power consumption – 240 hours continuous operation at > 10 minute reporting interval
- IPx8 water and weather proof
- Ruggedized high quality
- Easy to install – quick-fix bracket system
- Optional encrypted mode

# **BUOY-TRAK AIS AtoN Type 1 | Maritec Trust**

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## **SPECIFICATIONS**

### **AtoN Functions**

- Type 1 FATDMA operation only
- Message #21 transmission only

### **Physical**

- Dimensions: 375mm x 67mm max. (H x D)
- Weight: 350g (AtoN Express unit only)
- Mounting bracket min / max pole diameter: 25mm to 55mm

### **Electrical**

- Power supply: Built in 2100mAh Lithium-Ion rechargeable battery pack
- Operating time: Up to 10 days operation at  $\geq 10$  minute reporting interval
- Power consumption from external supply  $< 0.1\text{Ah}$  / day with 3 minute position reporting interval

### **VHF Transmitter & antenna**

- Transmitter x 1
- Output power: 1 Watt EIRP
- Frequency: 156.025 to 162.025 MHz
- Channel bandwidth / step: 25KHz
- Modulation GMSK (AIS, transmit)
- Bit rate: 9600 b/s (GMSK)
- Internal VHF antenna

### **GPS Receiver and Antenna**

- 50 channels
- IEC 61108-1 compliant
- Internal GPS antenna

### **Environmental**

- IPx8 rated for water ingress
- IEC 60945 'Exposed' category
- Operating temperature:  $-15^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$

### **Designed to be compliant with the following standards**

- AIS Standard: IEC62320-2 Ed. 1 2008-03, AIS AtoN Stations
- AIS Standard: ITU-R M.1371-5, Universal AIS Technical Characteristics
- Environmental: IEC60945 2002-08
- GPS Performance Standard: IEC61108-1 2003-07
- Product Safety: EN60950-1 2006,+A11 2009,+A1 2010,+A12 2011

### **Interfaces**

- USB for configuration only

## **OTHER PRODUCT**



*Specifications and features may change without prior notice.*